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(54) Title: DEGUELIN AS A CHEMOPREVENTIVE AGENT FOR LUNG CANCER

(57) **Abstract:** The present invention provides the chemopreventive agent deguelin, a natural product isolated from *Mundulea serica* (Leguminosae), and derivatives thereof, for use in combination with a second agent for inhibiting growth premalignant and malignant lung cancer cells by causing G2/M arrest and apoptosis. Thus, the present invention provides deguelin-based combination therapies for the treatment and prevention of lung cancer. The second agent of the present invention may, in particular, be an inhibitor of the PI3K, MAPK or JNK signaling pathways, or a chemotherapeutic agent, or radiotherapeutic agent.

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